

**REPORT OF THE UTILITIES DEPARTMENT
OF
THE PUBLIC SERVICE COMMISSION OF SOUTH CAROLINA**

**DOCKET NO. 98-002-E
SOUTH CAROLINA ELECTRIC & GAS COMPANY**

REPORT OF UTILITIES DEPARTMENT
SOUTH CAROLINA PUBLIC SERVICE COMMISSION
DOCKET NO. 98-002-E
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REPORT OF UTILITIES DEPARTMENT

SOUTH CAROLINA PUBLIC SERVICE COMMISSION

DOCKET NO. 98-002-E

SOUTH CAROLINA ELECTRIC & GAS COMPANY REPORT OF FUEL ADJUSTMENT ANALYSIS

SCOPE OF EXAMINATION

The Commission's Utilities Department Staff analyzed the Company's procedures and practices pertaining to its fuel operation. Staff's examination consisted of the following:

- 1) Review of the Company's monthly fuel reports including:
 - a) Power Plant Performance Data Reports
 - b) Major Unit Outage Reports
 - c) Generation Mix
 - d) Generation Statistics
 - e) Retail Comparison of MWH Sales
 - f) Retail Comparison of Fuel Costs
- 2) On-site inspections of the Company's coal quality sampling technique.
- 3) Review of the Company's currently approved Adjustment for Fuel Costs tariff.
- 4) History of Cumulative Recovery Account.
- 5) Calculation of fuel costs to be included in the base rates for May 1998 through April 1999.

REVIEW OF COMPANY'S MONTHLY FUEL REPORTS

The Company files with this Commission monthly reports that include power plant performance data, major unit outages, generation mix, and other reports that provide the Staff pertinent data on which to evaluate the Company's fuel operating expenses.

Selected information from the Power Plant Performance Data Reports for nuclear and fossil plants is shown on Exhibit No. 1. It includes a listing of capacity factors and equivalent availability factors for each unit by month for the period and also includes the yearly capacity factors (1995-1997) and the lifetime (cumulative) capacity factor of the V. C. Summer Nuclear Station. These factors are expressed as a percentage. This percentage figure can be

a useful index when attempting to locate or identify a particular problem or unusual occurrence.

Pursuant to S.C. Code Ann. Section 58-27-865 (Supp. 1997) certain criteria are established for review of a utility's effort to minimize fuel expenses. In evaluating a utility's fuel costs under this section, it is necessary to examine and determine whether the utility has made every reasonable effort to minimize fuel costs associated with the operation of its nuclear generation system while "giving due regard to reliability of service, economical generation mix, generating experience of comparable facilities and minimization of the total cost of providing service." Staff also examined records to determine if the utility achieved an adjusted capacity factor for the period under review of 92.5% as required by the statute to presume cost minimization. The Company's nuclear generation system actual net capacity factor, with adjustments, is 96.9%.

The Company's Nuclear Unit Outage Report considers each outage experienced by unit, giving the inclusive dates of the outage, hours down, type of outage (Scheduled or Forced), the reason for the outage, and the corrective action taken. This information covers the period being considered in this proceeding and is shown in Exhibit No. 2A. Staff compiled this data through review of Company documents, NRC documents, and interviews with Company personnel. The Company's Nuclear Units performed very well during the period March 1997 through February 1998. The Company's nuclear system incurred a 3.2% equivalent forced outage rate during this test period. The Staff's Fossil Unit Outage Report is a listing of plants by unit, duration of outage (greater than 100 hours), reason for down time, and corrective action taken to return the plant to service. The information specifically reviewed for this proceeding is for the months of March 1997 through February 1998 and is included in Exhibit No. 2B. These Units' Availability Factors were in the 95 plus percentile for the greater portion of this period.

Staff reviewed and compiled a percentage Generation Mix statistic sheet for the Company's fossil, nuclear and hydraulic plants for March 1997 through February 1998. The fossil generation ranged from a high of 97% to a low of 63%. The nuclear generation ranged from a high of 33% to a low of 3%. The percentage of generation by hydro ranged from a high of 5% to a low of 0%. This information is included in Exhibit No. 3. The Staff also collected and reviewed certain Generation Statistics of Major Plants for the 12 months ending February 28, 1998. This data is presented on Exhibit No. 4. This Exhibit shows the Company's major plants by name, type of fuel used, fuel cost in cents per kilowatt-hour to operate and total megawatt-hours generated for the period. The nuclear fueled Summer Plant was lowest in cost at 0.49 cents per kilowatt-hour. The highest amount of generation of 4,760,926 megawatt-hours was produced at the V. C. Summer Nuclear Station.

Utilities Department Exhibit No. 5 shows a comparison of the Company's original retail megawatt-hour (MWH) estimated sales to the actual sales for

the period from March 1997 through February 1998. The original projections ranged from an under-estimate of 1.4% in July 1997 to an over-estimate of 21.9% in November 1997 with a total over-estimate of 3.9% for the period.

Utilities Department Exhibit No. 6 shows a comparison of the Company's original fuel cost projections to the costs actually experienced for the months of March 1997 through February 1998. The original projections ranged from an over-estimate of 11.3% for October 1997 to an under-estimate of 6.2% for July 1997. The difference between actual and original projection of these fuel costs is further delineated graphically on Utilities Department Exhibit No. 7.

ON-SITE INSPECTION OF COMPANY'S COAL QUALITY SAMPLING TECHNIQUES

The Company's fuel sampling procedure for coal consists of identification of each train car by specific shipper, point of origin, and producer. A sample is taken from each car while unloading and is then crushed and placed in a sealed container. The sample is then sent to the laboratory and analyzed for moisture, ash, BTU, and sulfur content. The results of this testing are used to determine the actual price the Company will pay for the coal it received. The price could vary from the contracted price depending upon whether the quality of the coal, such as BTU content, is higher or lower than the level stipulated in the agreement. Staff has observed the Company's procedure for fuel sampling and has found this procedure to be adequate at this time.

REVIEW OF THE COMPANY'S CURRENTLY APPROVED RETAIL ADJUSTMENT FOR FUEL COSTS

Staff has reviewed the Company's currently approved Retail Adjustment for Fuel Costs and found it to continue to operate properly and therefore Staff does not recommend any modifications at this time. Exhibit No. 8 is a copy of the Company's currently approved Adjustment for Fuel Costs tariff.

HISTORY OF THE CUMULATIVE RECOVERY ACCOUNT

Exhibit No. 9 is a history of the cumulative recovery account balances from inception in 1979 to February 1998.

CALCULATION OF BASE RATE FUEL COST COMPONENT FOR MAY 1998 THROUGH APRIL 1999.

Utilizing the currently projected sales and fuel cost figures for the period May 1998 through April 1999 and including the projected over-recovery balance of \$1,638,197 in the cumulative recovery account through April 1998 (See Accounting Exhibit G), the average fuel expense is estimated to be 1.303 cents per kilowatt-hour. Applying this fuel factor to the period would create an ending period estimated \$5,383 under-collection in the cumulative recovery account.

The Commission has consistently expressed its expectation that the Company exercise all reasonable prudence and efficiency in its fuel purchasing practices and aggressively control the operation and maintenance of its production facilities to assure the lowest fuel costs possible. Also, the Commission has directed the Staff to monitor the Company's plant operations and fuel purchasing to insure that any inefficient or negligent practice is brought to the Commission's attention.

Exhibit No. 10 is a table of Projections of the Cumulative Recovery Account for various fuel base levels for the twelve month period ending April 1999. Also indicated in the table are the projected results using the current fuel factor base component and the Company's proposed factor of 1.285 cents/KWH.

SOUTH CAROLINA ELECTRIC & GAS COMPANY
POWER PLANT PERFORMANCE DATA REPORT
CAPACITY FACTORS (PERCENTAGE)

PLANTS NAME	UNIT	NET Mwe	YEAR 1995	YEAR 1996	YEAR 1997	MAR 1997	APR 1997	MAY 1997	JUN 1997	JUL 1997	AUG 1997	SEP 1997	OCT 1997	NOV 1997	DEC 1997	JAN 1998	FEB 1998
CANADYS	1	125	62.3	38.3	29.6	0.0	30.8	1.8	29.4	64.5	43.9	67.9	55.3	0.0	36.3	43.2	43.9
CANADYS	2	125	55.2	35.4	18.0	0.0	0.0	24.7	31.8	56.3	31.8	0.0	41.2	0.0	0.0	9.0	16.5
CANADYS	3	180	63.9	29.1	38.5	42.1	83.7	19.4	44.2	79.7	73.4	0.0	33.3	0.0	27.3	21.4	0.0
McMEEKIN	1	126	83.7	59.7	67.3	73.6	72.0	69.4	74.8	92.0	85.4	86.2	0.3	3.1	87.6	93.0	85.8
McMEEKIN	2	126	51.4	75.2	69.8	55.2	88.7	78.6	75.1	84.0	85.9	84.3	86.6	79.3	82.8	88.8	79.5
URQUHART	1	75	57.3	39.0	41.9	21.2	60.0	60.5	48.9	62.4	55.9	43.8	54.5	35.2	17.9	24.5	12.1
URQUHART	2	75	70.0	39.8	51.0	24.4	67.7	42.6	36.3	81.7	76.4	43.6	83.7	74.6	31.3	24.6	56.4
URQUHART	3	100	70.3	59.6	44.0	0.0	57.1	39.2	39.7	71.2	54.8	61.4	53.8	67.0	37.9	6.2	0.0
WATEREE	1	350	59.8	68.6	53.3	0.0	0.0	25.4	39.5	51.5	71.2	83.4	91.5	86.0	64.9	75.1	82.2
WATEREE	2	350	75.5	66.1	72.1	47.5	82.9	64.6	69.8	89.1	84.1	55.9	86.0	79.5	79.2	76.6	0.0
WILLIAMS		560	63.6	81.7	88.0	87.0	67.6	86.2	85.4	93.4	94.0	91.6	98.3	89.5	90.3	82.4	84.4
COPE		385		62.9	68.9	69.4	9.4	28.7	74.2	91.7	78.9	85.2	94.5	95.0	58.9	74.5	69.3
FOSSIL TOTALS		2577	65.1	62.2	62.6	46.2	48.3	49.5	61.9	80.1	76.5	68.1	77.0	65.9	62.9	64.3	53.0
V. C. SUMMER*		945	97.1	85.8	86.7	46.2	48.3	49.5	61.9	80.1	76.5	68.1	77.0	65.9	62.9	81.6	100.5
(S.C.E.G.)		630															
(S.C.P.S.A.)		315															
SYSTEM TOTAL		3167	82.0	76.0	76.2	66.9	62.2	69.4	79.2	93.9	91.1	84.4	64.4	72.5	79.5	76.1	72.6

THE LIFETIME CAPACITY FACTOR FOR THE V.C. SUMMER STATION THROUGH FEBRUARY 1998 IS 74.7%

SOUTH CAROLINA ELECTRIC & GAS COMPANY
POWER PLANT PERFORMANCE DATA REPORT
AVAILABILITY FACTORS (PERCENTAGE)

PLANTS NAME	UNIT	NET Mwe	MAR 1997	APR 1997	MAY 1997	JUN 1997	JUL 1997	AUG 1997	SEP 1997	OCT 1997	NOV 1997	DEC 1997	JAN 1998	FEB 1998
CANADYS	1	125	52.6	36.5	71.0	100.0	87.6	100.0	100.0	84.8	14.3	99.1	93.8	100.0
CANADYS	2	125	100.0	44.2	53.2	100.0	92.9	92.1	100.0	84.8	0.0	69.0	95.6	100.0
CANADYS	3	180	58.7	99.4	88.6	70.2	100.0	100.0	75.5	53.6	21.3	100.0	94.4	100.0
McMEEKIN	1	126	100.0	100.0	99.6	94.3	100.0	100.0	100.0	0.4	7.6	99.1	100.0	100.0
McMEEKIN	2	126	79.9	100.0	99.8	100.0	97.5	100.0	100.0	93.4	90.7	95.1	100.0	97.0
URQUHART	1	75	100.0	95.3	100.0	97.2	100.0	94.0	100.0	97.3	46.4	61.7	96.8	85.9
URQUHART	2	75	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.8	100.0	98.5
URQUHART	3	100	100.0	97.0	100.0	100.0	92.2	97.0	91.4	87.3	82.8	100.0	27.3	0.0
WATEREE	1	350	0.0	0.0	38.8	51.7	69.9	89.9	100.0	100.0	99.7	82.7	92.8	100.0
WATEREE	2	350	94.3	94.8	77.5	91.5	100.0	98.9	67.1	100.0	94.1	93.9	87.2	0.0
WILLIAMS		560	100.0	72.5	100.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
COPE		385	98.7	12.2	41.3	95.9	97.8	97.0	98.3	96.6	100.0	77.4	100.0	100.0
FOSSIL TOTALS		2577	82.0	71.1	80.8	91.7	94.8	97.4	94.4	83.2	63.1	89.6	90.7	81.8
V. C. SUMMER* Mwe		945	100.0	85.6	100.0	100.0	100.0	100.0	100.0	9.9	79.1	100.0	83.7	100.0
(S.C.E.G.)		630												
(S.C.P.S.A.)		315												
SYSTEM TOTAL		3207	83.4	71.9	82.3	92.3	95.2	97.6	94.8	77.5	64.3	90.4	90.1	83.2

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SOUTH CAROLINA ELECTRIC & GAS COMPANY
V. C. SUMMER NUCLEAR UNIT OUTAGE REPORT
March 1, 1997 - February 28, 1998

<u>NO.</u>	<u>DATE OFF</u>	<u>DATE ON</u>	<u>HOURS/TYPE*</u>	<u>REASON FOR OUTAGE AND CORRECTIVE ACTION</u>
1.	4-22-97	4-25-97	73.8/F	EHC CONTROL VALVE. REPAIRED VALVE
2.	4-25-97	4-26-97	6.6/F	EHC CONTROL VALVE. REPAIRED VALVE
3.	4-26-97	4-28-97	51.0/F	OPERATIONAL ERROR. TRAINING ENHANCEMENT
4.	10-4-97	11-5-97	821.9/S	10 TH REFUELING. COMPLETE REFUELING
1.	1-2-98	1-7-98	121.5/F	TECH SPEC SHUTDOWN DUE TO "A" DIESEL GENERATOR. REPAIR "A" DIESEL GENERATOR.

TYPE* F- Forced S- Scheduled

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EXHIBIT NO. 2A

SOUTH CAROLINA ELECTRIC & GAS COMPANY
FOSSIL UNIT OUTAGE REPORT
(100 HRS OR GREATER DURATION)
MARCH 1, 1997 - FEBRUARY 28, 1998

MONTH	UNIT	HRS/TYPE*	REASON FOR OUTAGE AND CORRECTIVE ACTION
MAR 97	Canadys 1	353.00/S	The unit was taken off line to perform preventive maintenance.
	Canadys 3	207.45/S	Modifications were made to 3-B mill burners.
	McMeekin 2	103.00/S	This outage was used to perform needed maintenance on # 2 HP turbine.
	Wateree 1	744.00/S	The unit came off line for a planned maintenance period.
APR 97	Canadys 1	434.25/S	The unit was taken off line to perform some preventive maintenance.
	Canadys 2	401.00/S	A maintenance outage was started to perform needed maintenance.
	Wateree 1	719.00/S	The unit came off line for a planned maintenance period.
	Williams	197.47/S	The unit came off line for a planned maintenance period.
	Cope	623.25/S	The unit was taken off line for a planned outage in which GE warranty work on the turbine/generator was done.
	SRS 2	720.00/S	The 2-2A Burner was found to be burned out around throat and coal nozzle. The inner casing was repaired and the burner assembly and refractory were replaced.
May 97	SRS 4	644.75/S	The unit started a planned outage period in which the boiler precipitator expansion joint was replaced and the precipitator cleaned.
	Canadys 1	216.00/S	A maintenance outage was started to resurface the doors and ends of the bottom 42 in. headers.
	Canadys 2	347.88/S	A maintenance outage was started to replace several superheat tubes.
	Wateree 1	302.50/S	The unit came off line for a planned maintenance period.
		102.88/S	The unit came off line to correct wiring problems with the speeder control.
	Wateree 2	167.72/S	The unit came off line to repair a superheater leak.
	Cope	427.70/S	The unit was taken off line for a planned outage in which GE warranty work on the turbine/generator was done.
	SRS 2	744.00/S	Unit was taken off line to repair and replace burner assembly and refractory.
	SRS 3	237.75/S	The unit was taken off line to repair tubing on the eastside of the Boiler Handhole Panel.
	SRS 4	506.25/S	The unit started a planned outage period in which the boiler precipitator expansion joint was replaced and the precipitator cleaned.

TYPE* F - Forced S - Scheduled

SOUTH CAROLINA ELECTRIC & GAS COMPANY
FOSSIL UNIT OUTAGE REPORT
(100 HRS OR GREATER DURATION)
March 1, 1997 – February 28, 1998

<u>MONTH</u>	<u>UNIT</u>	<u>HRS/TYPE*</u>	<u>REASON FOR OUTAGE AND CORRECTIVE ACTION</u>
NOV 97	Canadys 1	617.00/S	The unit came off line for a planned outage to perform routine maintenance.
	Canadys 2	720.00/S	The unit came off line for a planned outage to perform routine maintenance.
	Canadys 3	567.00/S	The unit came off line for a planned outage to perform routine maintenance.
	Urquhart 1	386.30/S	The unit came off line for a planned outage to perform special projects.
	McMeekin 1	665.33/S	The unit came off line for a planned outage to install Low Nox Burners.
DEC 97	Canadys 2	231.00/S	The unit came off line for a planned outage to perform routine maintenance.
	Urquhart 1	238.92/S	The unit came off line for a planned outage to perform special projects.
	Wateree 1	128.43/S	The unit came off line for a maintenance outage to inspect the boiler.
	Cope	168.27/S	The unit came off line for a planned outage to make minor repairs and to perform the necessary periodic inspections.
JAN 98	Urquhart 3	541.00/S	The unit came off line to conduct a planned outage to overhaul the turbine.
FEB 98	Urquhart 3	672.00/S	The unit came off line to conduct a planned outage to overhaul the turbine.
	Wateree 2	672.00/S	The unit came off line as part of a planned outage to make different repairs and upgrades to the unit.

TYPE* F – Forced S – Scheduled

SOUTH CAROLINA ELECTRIC & GAS COMPANY

GENERATION MIX

MARCH 1, 1997 - FEBRUARY 28, 1998

<u>MONTH</u>	<u>PERCENTAGE</u>		
	<u>FOSSIL</u>	<u>NUCLEAR</u>	<u>HYDRO</u>
March-97	63	33	4
April-97	71	27	2
May-97	66	32	2
June-97	71	27	2
July-97	76	23	1
August-97	76	24	0
September-97	74	26	0
October-97	97	3	0
November-97	80	19	1
December-97	72	27	1
January-98	73	23	4
February-98	65	30	5

SOUTH CAROLINA ELECTRIC & GAS COMPANY

GENERATION STATISTICS OF MAJOR PLANTS

MARCH 1, 1997 – FEBRUARY 28, 1998

PLANT	TYPE FUEL	AVERAGE FUEL COST (CENTS/KWH*)	GENERATION (MWH)
Summer	Nuclear	0.49	4,760,926
Wateree	Coal	1.43	3,806,690
Cope	Coal - Gas	1.48	2,356,664
McMeekin	Coal - Gas	1.47	1,647,715
Williams	Coal	1.56	4,296,456
Urquhart	Coal - Gas	1.69	981,777
Canadys	Coal - Gas	1.69	1,136,551

(*) The average fuel costs for coal-fired plants include oil cost for start-up and flame stabilization.

SOUTH CAROLINA ELECTRIC & GAS COMPANY
 SOUTH CAROLINA RETAIL COMPARISON OF ESTIMATED TO ACTUAL ENERGY SALES

	1997												1998		
	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	TOTAL		
[1] ESTIMATED SALES [MWH]	1,336,000	1,269,000	1,272,000	1,467,000	1,623,000	1,667,000	1,629,000	1,370,000	1,302,000	1,403,000	1,530,000	1,448,000	17,316,000		
[2] ACTUAL SALES [MWH]	1,168,372	1,237,435	1,206,569	1,356,222	1,646,661	1,668,173	1,606,763	1,401,909	1,067,830	1,417,003	1,443,816	1,449,046	16,669,799		
[3] AMOUNT DIFFERENCE [1]-[2]	167,628	31,565	65,431	110,778	-23,661	-1,173	22,237	-31,909	234,170	-14,003	86,184	-1,046	646,201		
[4] PERCENT DIFFERENCE [3]/[2]	14.3%	2.6%	5.4%	8.2%	-1.4%	-0.1%	1.4%	-2.3%	21.9%	-1.0%	6.0%	-0.1%	3.9%		

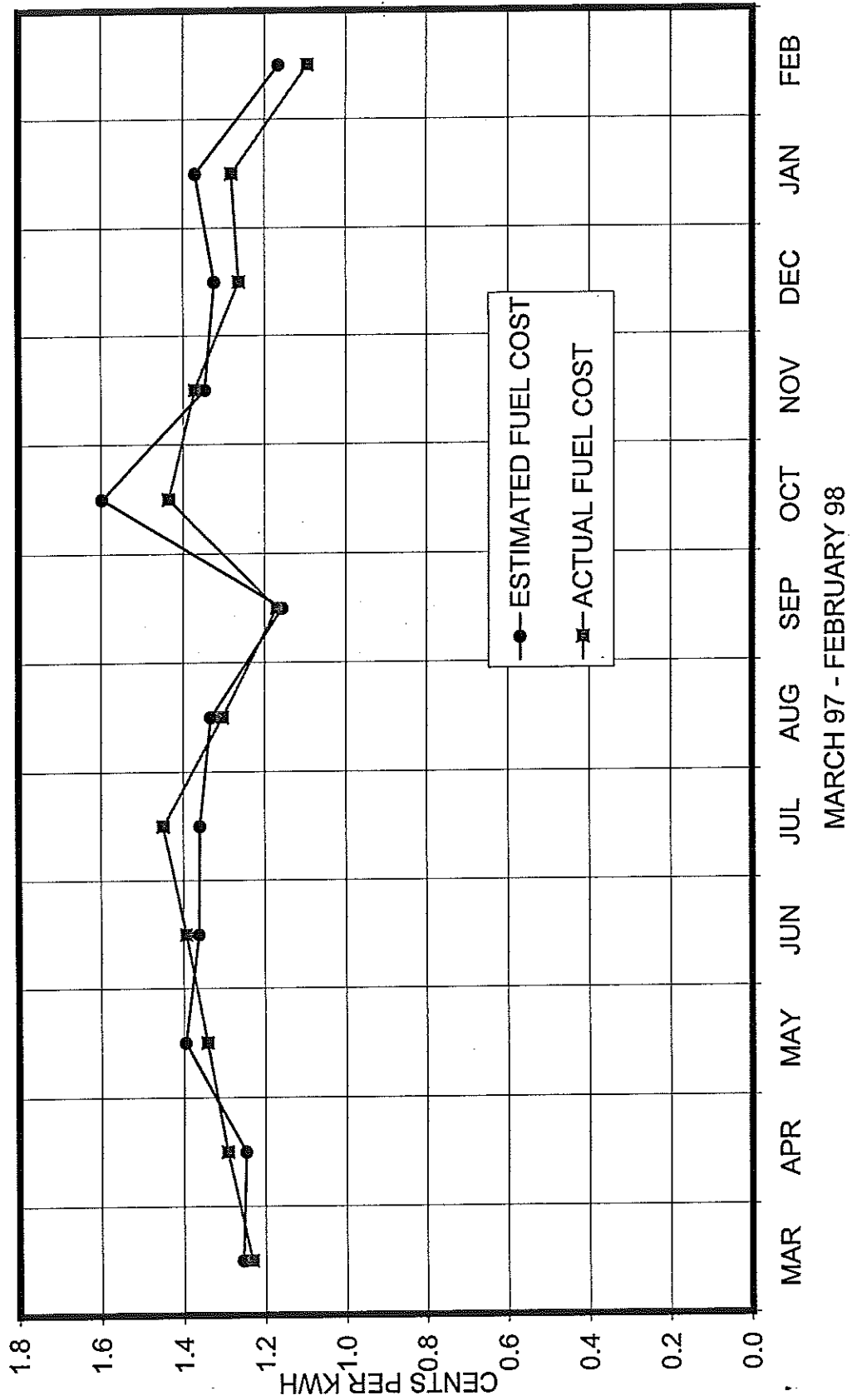
SOUTH CAROLINA ELECTRIC & GAS COMPANY

SOUTH CAROLINA RETAIL COMPARISON OF ESTIMATED TO ACTUAL FUEL COST

	1997												1998	
	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB		
[1] ORIGINAL PROJECTION	1.2549	1.2474	1.3948	1.3613	1.3587	1.3321	1.1572	1.5975	1.3463	1.3230	1.3690	1.1664		
[2] ACTUAL EXPERIENCE	1.2330	1.2922	1.3412	1.3928	1.4489	1.3042	1.1703	1.4355	1.3713	1.2642	1.2814	1.0948		
[3] AMOUNT IN BASE	1.3100	1.3100	1.2850	1.2850	1.2850	1.2850	1.2850	1.2850	1.2850	1.2850	1.2850	1.2850		
[4] VARIANCE FROM ACTUAL [1-2]/[2]	1.8%	-3.5%	4.0%	-2.3%	-6.2%	2.1%	-1.1%	11.3%	-1.8%	4.7%	6.8%	6.5%		

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EXHIBIT NO. 6

SOUTH CAROLINA ELECTRIC & GAS COMPANY
 ESTIMATED TO ACTUAL FUEL COST



SOUTH CAROLINA ELECTRIC & GAS COMPANY
ADJUSTMENT FOR FUEL COSTS

APPLICABILITY

This adjustment is applicable to and is a part of the Utility's South Carolina retail electric rate schedules.

The Public Service Commission has determined that the costs of fuel in an amount to the nearest one-thousandths of a cent, as determined by the following formula, will be included in the base rates to the extent determined reasonable and proper by the Commission:

$$F = \frac{E}{S} + \frac{G}{S_1}$$

Where:

F = Fuel cost per kilowatt-hour included in base rate, rounded to the nearest one-thousandth of a cent.

E = Total projected system fuel costs:

(A) Fuel consumed in the Utility's own plants and the Utility's share of fuel consumed in jointly owned or leased plants. The cost of fossil fuel shall include no items other than those listed in Account 151 of the Commission's Uniform System of Accounts for Public Utilities and Licensees. The cost of nuclear fuel shall be that as shown in Account 518 excluding rental payments on leased nuclear fuel and except that, if Account 518 also contains any expense for fossil fuel which has already been included in the cost of fossil fuel, it shall be deducted from this account.

Plus

(B) Purchased power fuel costs such as those incurred in unit power and Limited Term power purchases where the fossil fuel costs associated with energy purchased are identifiable and are identified in the billing statement.

Plus

(C) Interchange power fuel costs such as Short Term, Economy and other where the energy is purchased on an economic dispatch basis.

Energy receipts that do not involve money payments such as diversity energy and payback of storage energy are not defined as purchased or interchange power relative to this fuel calculation.

Minus

(D) The cost of fossil fuel recovered through intersystem sales including the fuel costs related to economy energy sales and other energy sold on an economic dispatch basis.

Energy deliveries that do not involve billing transactions such as diversity energy and payback of storage energy are not defined as sales relative to this fuel calculation.

S = Projected system kilowatt-hour sales excluding any intersystem sales.

G = Cumulative difference between jurisdictional fuel revenues billed and fuel expenses at the end of the month preceding the projected period utilized in E and S.

S₁ = Projected jurisdictional kilowatt-hour sales, for the period covered by the fuel costs included in E.

The appropriate revenue related tax factor is to be included in these calculations.

The fuel cost as determined by Public Service Commission of South Carolina Order No. 97-361 for the period May 1997 through April 1998 is 1.285 Cents per kilowatt hour.

SOUTH CAROLINA ELECTRIC & GAS COMPANY

HISTORY OF CUMULATIVE RECOVERY ACCOUNT

<u>PERIOD ENDING</u>	<u>OVER (UNDER) \$</u>
January 1979 – Automatic Fuel Adjustment in Effect	
July 1979	4,427,600
April 1980	7,608,796
October 1980	(462,050)
April 1981	2,188,451
October 1981	(10,213,138)
April 1982	5,164,628
October 1982	9,937,268
April 1983	9,767,185
October 1983	(4,527,441)
April 1984	(2,646,395)
October 1984	(3,211,158)
April 1985	(9,545,054)
October 1985	(6,115,435)
April 1986	2,474,301
October 1986	(540,455)
April 1987	(353,393)
October 1987	(3,163,517)
April 1988	9,247,139
October 1988	2,717,342
April 1989	(5,665,737)
October 1989	(8,777,726)
April 1990	(5,288,612)
October 1990	6,536,591
April 1991	7,180,922
October 1991	4,160,275
April 1992	15,835,472
October 1992	15,449,670
April 1993	16,006,551
October 1993	10,069,457
April 1994	2,646,301
October 1994	(265,302)
April 1995	6,622,597
October 1995	4,202,766
February 1997	4,914,169
February 1998	596,797

DOCKET NO. 98-002-E
 UTILITIES DEPARTMENT
 EXHIBIT NO. 10

SOUTH CAROLINA ELECTRIC & GAS COMPANY
 PROJECTIONS OF THE CUMULATIVE RECOVERY ACCOUNT
 FOR THE TWELVE MONTH PERIOD ENDING
 APRIL 1999

	FUEL BASE	PROJECTED CUMULATIVE OVER/(UNDER) RECOVERY (\$)
	1.200	(18,815,243)
	1.225	(14,249,743)
	1.250	(9,684,243)
	1.275	(5,118,743)
COMPANY PROPOSED	1.285	(3,292,543)
	1.292	(2,014,203)
ZERO UNDER	1.303	(5,383)
ZERO OVER	1.304	177,237
	1.325	4,012,257
	1.350	8,577,757
	1.375	13,143,257
	1.400	17,708,757